

GAWRONSKI, Mieczysław; ZEROMSKI, Jan

Merginal metastatic pulmonary calcification in cases of leukemia and multiple myeloma. Pat. Pol. 15 no.3:361-368 J1-S '64.

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Antiglobulin consumption and immunofluorescence tests in the diagnosis of systemic lupus erythematcsus. Pol. arch. med. wewnet. 35 no.7:1019-1024 165.

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ZEROMSKI, S.

An author, a compatrict: an article published in the magazine Nackoln Swiata in 1925.

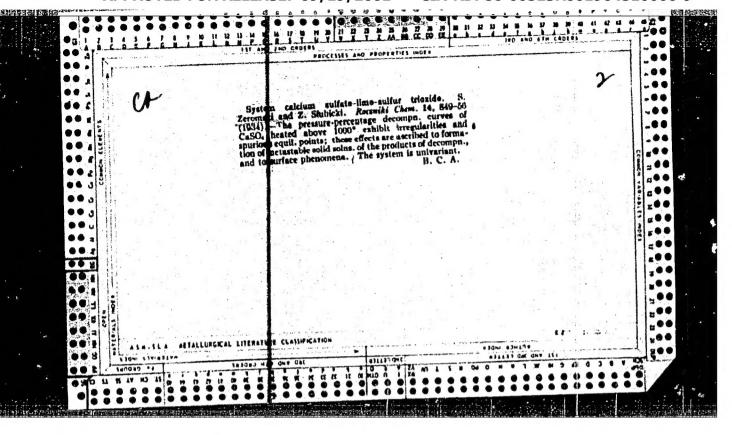
(MGRZE) Vol. 11. No. 12, December 1957

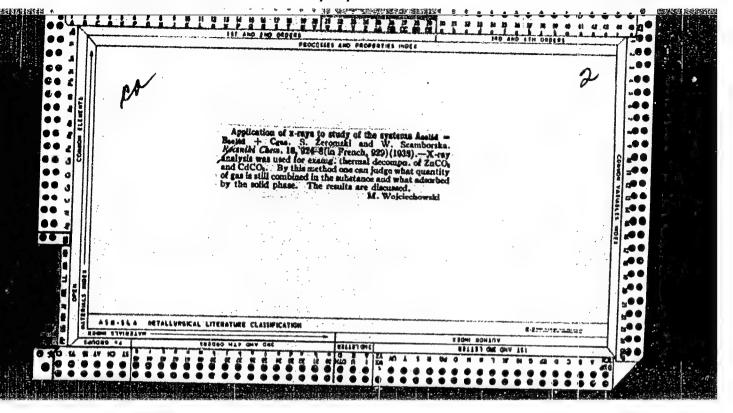
SO: Monthly Index of East European Accessions (EEAI) IC. Vol. 7. No. 5. 1958

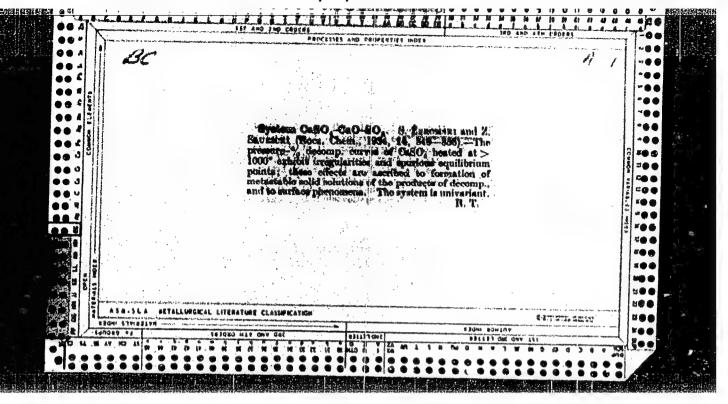
ZEROMSKI, S.

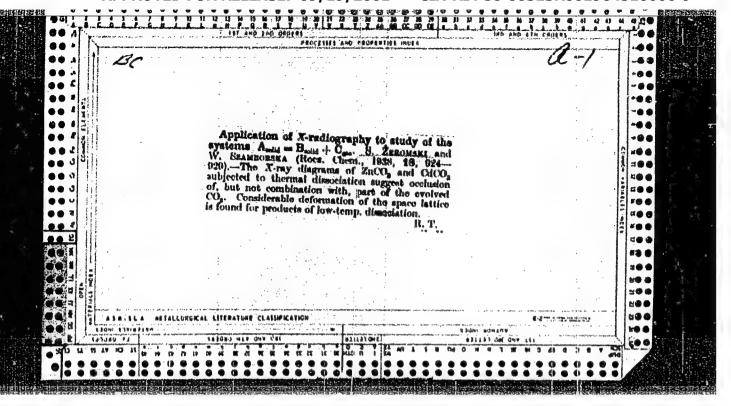
"Central Register of Chemical Literature in the Documentation Center of the Institute of Inorganic Chemistry in Gliwice." P. 43. "Technical-Scientific Conference of the Polish Academy of Sciences Concerning the Chemical Treatment of Coal." P. 44, (PRZEMYSL CHEMICZNY, Vol. 10, No. 1, Jan. 1954, Warszawa, Poland)

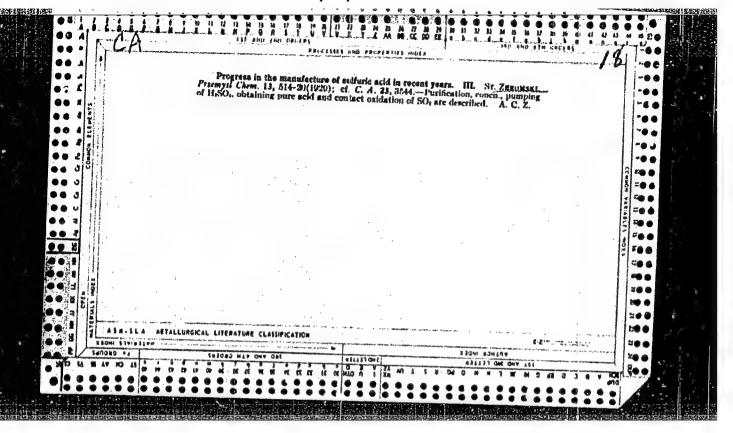
SO: Monthly List of East European Accessions, (EEAL), LC. Vol. 4, No. 1, Jan. 1955 Uncl.











ZEROMSKI, Z.

USSR / Chemical Technology. Chemical Products and Their Application. Food Industry.

Ref Zhur - Khimiya, No 3, 1957, No 10397

Author

: Zeromski, Z.

Inst

Not given

Title

: An Evaluation of Polish Cheeses

Orig Pub

: Przegl. mleczarski, 1956, Vol 4, No 5, 19-23

Abstract

A commission of specialists has evaluated 147 specimens of various types of cheeses of Polish manufacture submitted by 131 plants; 28% of the samples were classed in class I, 46% in class II, and 21% in class III; 5% of the samples were returned for further processing. It has been established that the dominant defects fell into the following categories: sub-standard taste and odor, molds, structure, consistency, color, appearance, and defective

Card

: 1/2

USSR / Chemical Technology. Chemical Products and Their Application. Food Industry.

TATAK STILLE PARENTER BERKER B

I-30

Abs Jour

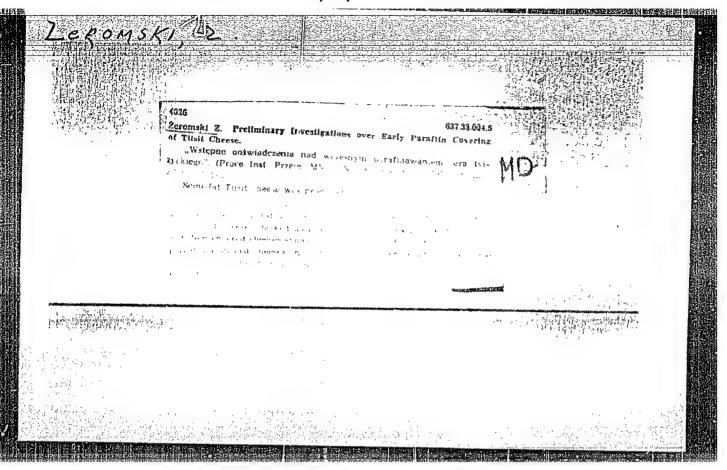
: Ref Zhur - Khimiya, No 3, 1957, No 10397

Abstract

: paraffin coating. The commission found that 91.9% of the samples submitted met the State Standard on salt content and that 47% of the samples showed deviations from the State Standard on fat content; high moisture was observed in 48.95% of the samples.

Card

: 2/2



POLAND / Chemical Technology. Food Industry.

H-28

Abs Jour! Ref Zhur-Khimiya, No 23, 1958, 79464.

"如何也是我们的人们可以不是是是我们的人们的人们的人们的人们的人们的人们,但是我们们的人们也没有一个人们的人们的人们的人们的人们的人们的人们的人们的人们的人们的

Author : Zeromski, Z. Inst Not given.

: The IV-th Evaluation of Cheese Quality in PNR Title

 \overline{P} olish People's Republic7.

Orig Pub: Przegl. mleczarski, 1957, 5, No 11, 10-12.

Abstract: These are the results on the evaluation of the

quality of cheeses produced in PNR. The evaluation was conducted by the In-ut and Central Administration of Dairy Industry.

Card 1/1

ZEROV, D. K., ED.

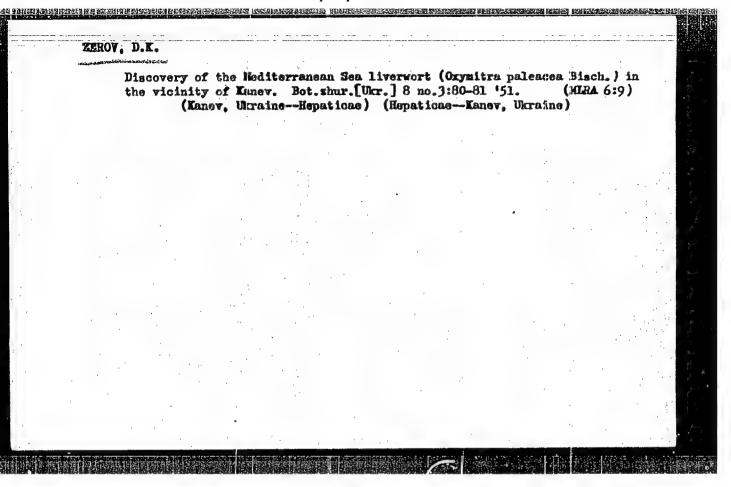
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- 2. USSR 600
- 4. Pollen, Fossil
- 7. "Analysis of fossils of pollen and spores and its application in paleogeography."
 V. P. Grichuk, YE. D. Zaklinskaya, "Jurassic chalk as a guide to spores and pollen." V. S. Malyavkina." Pollen analysis" I. M. Polrovskaya. Reviewed by D. K. Zerov, Bot. shur (Ukr) 8, No. 1, 1951.

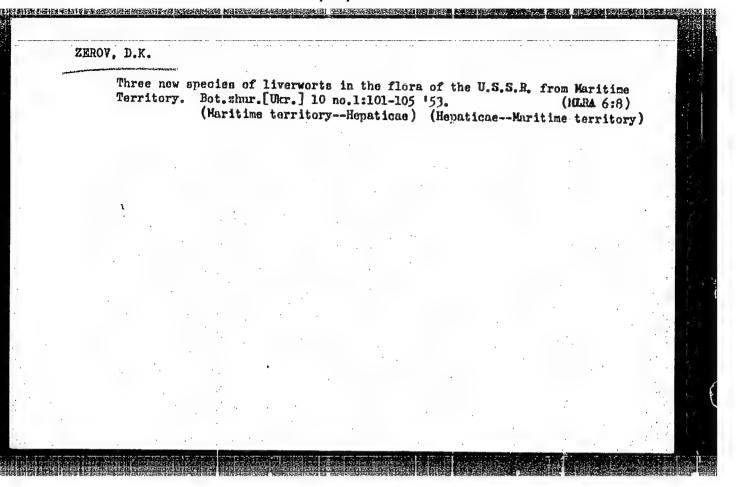
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.



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(Botany.-Glassification)



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ZEROV.D.K., redaktor; KOTOV.M.I., professor, doktor biologichnikh nauk; KLOKOV.M.V., professor, doktor biologichnikh nauk; VISYULIMA.O.D. kandidat biologichnikh nauk; BARRARICH.A.I., kandidat biologichnikh nauk; KRILOVS'KA.N.S., tekhredaktor

Rose family. A.I.Barbarich and others. Flora URSR no.6:5-300 '54.

(MIRA 8:11)

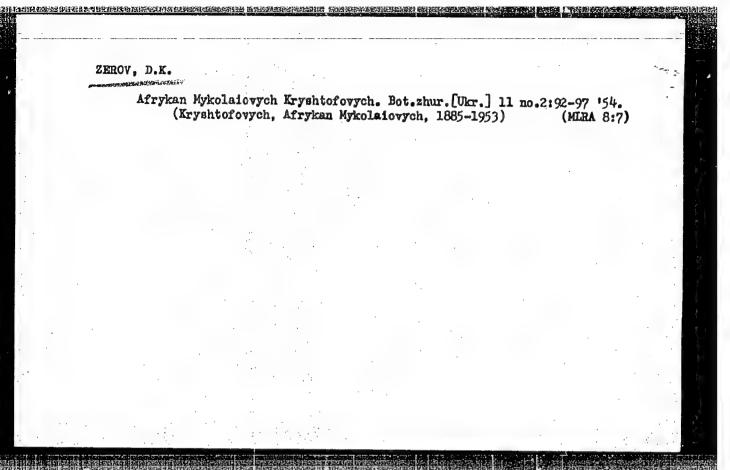
1. Diyeniy chlen Akademii nauk URSR (for Zerov)

(Ukraine--Roses)

ZEROV, D.K., redaktor; KOTOV, M.I., professor, doktor biologichnikh nauk; KLOKOV, M.V., professor, doktor biologichnikh nauk; VISYULINA, O.D. kandidat biologichnikh nauk; BARBARICH, A.I., kandidat biologichnikh nauk; KRILOVS KA, N.S., tekhredaktor

Legume family. A.I.Barbarich and others. Flora URSR no.6:301-573 (MLRA 8:11)

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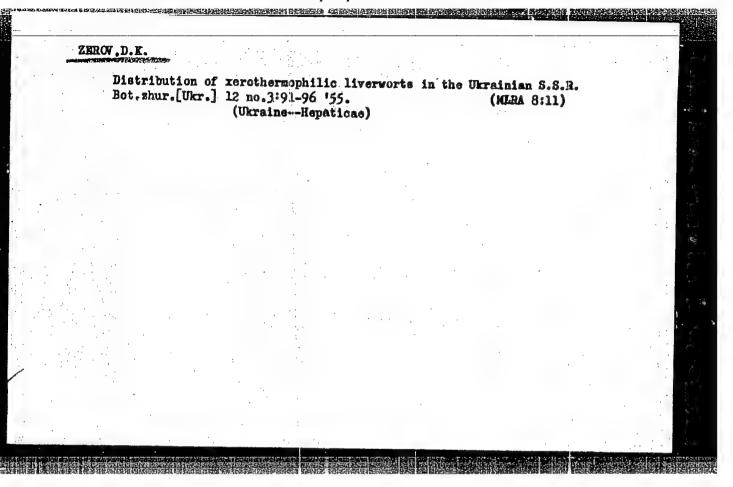
LAZARENKO, Andrey Sozontovich; SHILO, V.N., redaktor; ZEROV, D.K., redaktor; SIVACHENKO, Ye.K., tekhnicheskiy redaktor

[Guide to the mosses (Musci) of the Ukraine] Opredelitel: listvennykh mkhov Ukrainy. Izd. 2-oe, perer. i dop. Kiev, Izd-vo Akademii nauk Ukrainskoi SSR 1955. 465 p. (MIRA 9:2)

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HODILEVSKIY, Yakov Samuilovich; ZEROV, D.K., akademik, otvetstvennyy redaktor; GRUDZINSKAYA, O.S., redaktor izdatel stva; ROKHLINA, N.P., tekhnicheskiy redaktor

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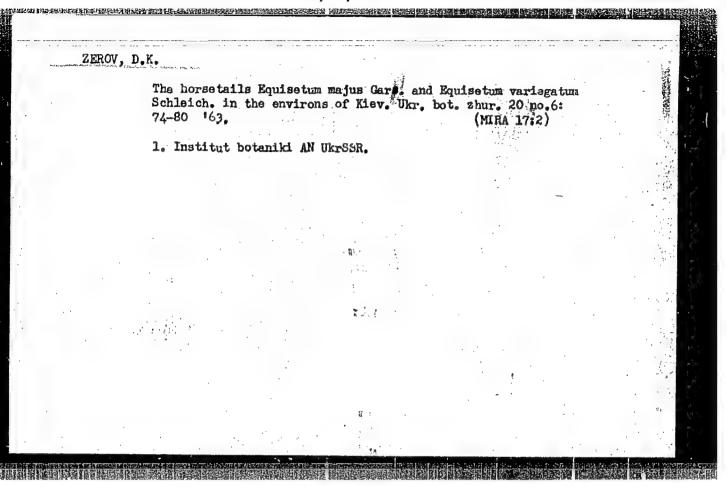
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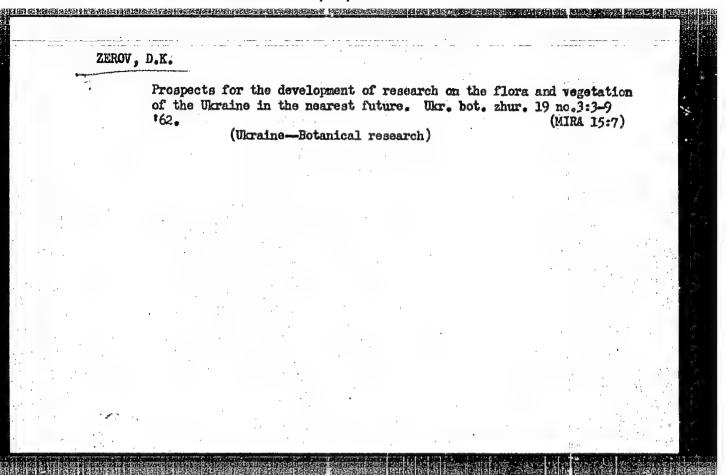
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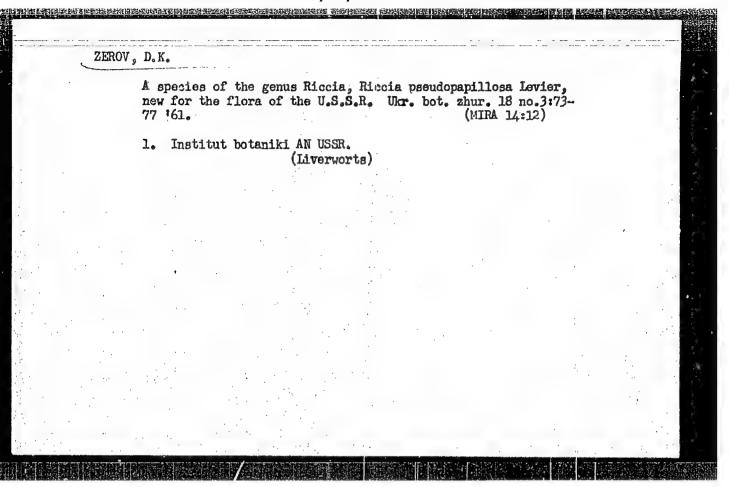
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(Polesye--Natural resources)

ZEROV, DK

ROMANENKO, I.N., akademik, otvetstvennyy red.; VLASYUK, P.A., akademik, red.; ZEROV. D.K., akademik, red.; RODIONOV, S.P., red.; TYULENEV, N.A., red.; PSHENICHNYY, P.D., akademik, red.; DAVYDOV, G.M., kand. ekon. nauk, red.; EUGUKALO, I.A., kand. ekon. nauk, red.; BEREZIKOV, V.S., red.; FEDUN, A.D., red.; KOZAKEVICH, T.A., red. izd-ve; SIVACHENKO, Ye. K., tekhn. red.

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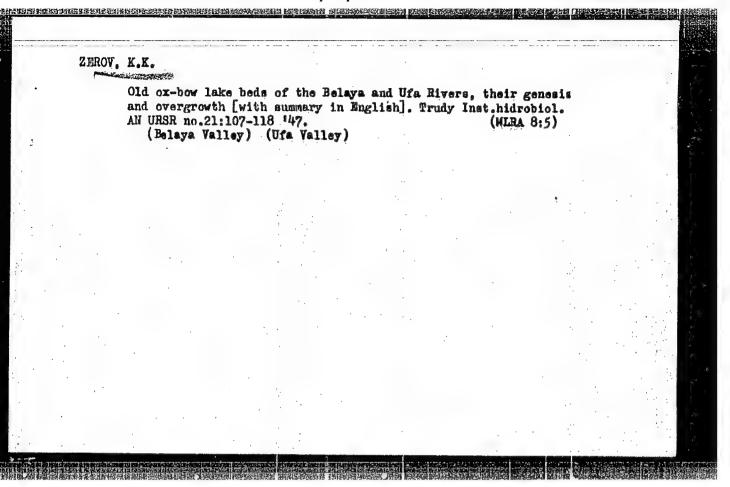
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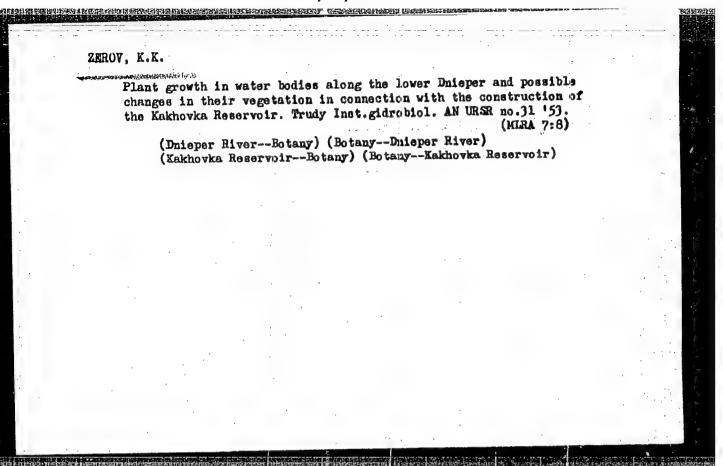
(Botany-Embryology) (Grain)



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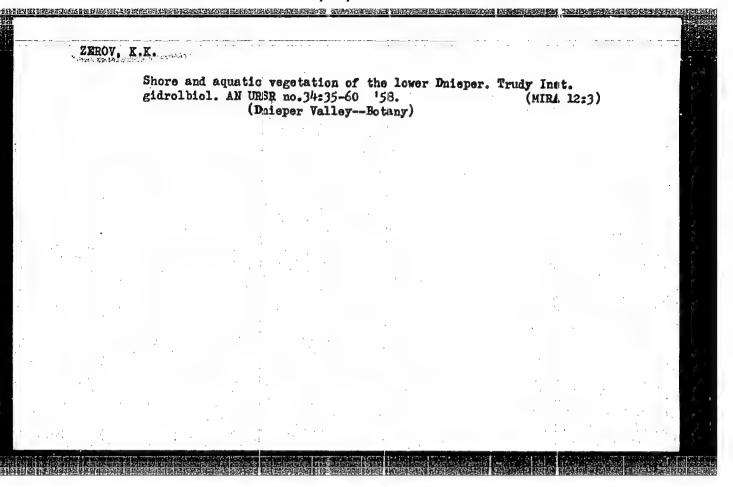
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TOVBIH, M.V.; ALMAZCV, A.M.; FEL'DMAN, M.B.; MAYSTRENKO, Yu.G.; ROLL, Ya.V., redaktor; MOVCHAN, V.A., redaktor; VLADINIEOV, V.I., koktor biologicheskikh nauk, redaktor; KRYUKHIN, B.V., kandidat biologicheskikh nauk, redaktor; AMAZOV, kandidat khimicheskikh

nauk, redaktor; ZEROV, K.K., kandidat biologicheskikh nauk, redaktor.

[Hydrochemical characteristics of the lower reaches of the Dnieper and Ingulets Rivers and a prognosis of conditions of Kakhovka Reservoir] Gidrokhimicheskaia kharakteristika nimov'ev rek Dnepra i Ingul'tsa i prognos reshima Kakhovskogo vodokhranilishcha. Kiev, Isd-vo Akademii nauk Ukrainskoi SSR, 1954. 103 p. (Akademiia nauk URSR, Kiev. Instytut hidrobiologii, Trudy, no.30).

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(Dnieper River) (Ingulets River) (Kakhovka Reservoir)



ZEROV. K.K.

Principal features of the formation of vegetation in the Kakhovka

Reservoir during the three years of its existence. Ukr.bot.shur.

17 no.1:3-11 '60. (MIRA 13:6)

1. Institut gidrobiologii AN USSR.
(Kakhovka Reservoir--Fresh-water flora)

是有主义的主义,这个人,我们也不是一个人的人,我们也不是一个人的人,我们也不是一个人的人,我们也不是一个人的人,我们也不是一个人的人,我们也不是一个人的人,我们 第一个人的人们是不是一个人的人,我们就是一个人的人们就是一个人的人们,我们也不是一个人的人们,我们就是一个人的人们,我们就是一个人的人们的人们,我们就是一个人的

YEMCHENKO, A.I., otv. red.; TOPACHEVSKIY, O.V.

[Topachevs'kyi, O.V.], doktor biol. nauk, glav. red.;

ROLL, Ya.V., red.[deceased]; MOVCHAN, V.A., red.;

VLADIMIROV, V.I.[Vladymyrov, V.I.], doktor biol. nauk,

red.; VINOGRADOV, K.O.[Vynohradov, K.O.], doktor biol.

nauk, red.; TSEYEB, Ya.Ya..doktor biol. nauk, red.;

SAL'NIKOV, M.Ye [Sal'nykov, M.IE.], kand. biol. nauk,

red.; ALMAZOV, O.M., kand. khim. nauk, red.; ZEROV, K.K.,

kand. biol. nauk, red.

[Some problems of the physiology of digestion and metabolism in fishes] Deiaki pytannia fiziologii tav-lennia ta obminu rechovyn u ryb. Kyiv, Vyd-vo AN URSR, 1962. 115 p. (Its Pratsi) (MIRA 17:11)

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BRAGINSKIY, L.P. [Brahins'kyi, L.P.]; ZEROV, K.K.; RADZIMOVSKIY, D.A. [Radzymovs'kyi, D.O.]

IAkiv Volodymyrovych Roll (1887-1961). Ukr. bot. zhur. 19 no.2:88-94 '62. (MIRA 15:6) (Koll, IAkiv Volodymyrovych, 1887-1961)

TOPACHEVSKIY, O.V. [Topachevs'kyi, O.V.], glav. red.; MOVCHAN, V.A., red.; ALMAZOV, O.M., doktor georr. nauk, red.; VLADIMIROV, V.I. [Vladymyrov, V.I., doktor biol. nauk, red.; VINOGRADOV, K.O. [Vynohradov, K.O.], doktor biol. nauk, red.; TSEYEB, Ya.Ya.[TSeeb, IA.IA.], doktor biol. nauk, red.; SAL'NIKOV, M.Ye.[Sal'nykov, M.IE.]. kand. biol. nauk, red.; ZEROV, K.K., kand. biol. nauk, red.

[Desna River within the boundaries of the Ukraine; sanitary-hydrobiological and hydrochemical characteristics] Desna v mezhakh Ukrainy; sanitarno-hidrobiologichna ta hidrokhimichna kharakterystyka. Kyiv, Vyd-vo "Naukova dumka," 1964. 158 p. (MIRA 17:7)

1. Akademiya nauk URSR. Kiev. Instytut hydrobiologii. 2. Chlen-korrespondent AN Ukr.SSR (for Topachevskiy). 3. Vsesoyuznya akademiya sel'skokho:yaystvennykh nauk imeni V.I.Lenina i chlen-korrespondent AN Ukr.SSR (for Movchan).

TSEYEB, Ya.Ya.; ROLL, Ya.V.[deceased]; ZEROV, K.K.; VLADIMIROVA, K.S. [Vladymyrova, K.S.]; OLIVARI, G.A.[Olivari, H.A.]; GURVICH, V.V.; BIRGER, T.I.[Birher, T.I.]; MALYAREVSKAYA, O.Ya. [Maliarevs'ka, O.IA.]; CHORNOGORENKO, M.I.[Chernohorenko, M.I.]; LITVINOVA, M.O.[Lytvynova, M.O.]; ANDRIYCHUK, M.D., red.

[Kakhovka Reservoir; a hydrobiological outline] Kakhova'ke vodoimyshche; hidrobiologichnyi narys. Kyiv, Naukova dumka, 1964. 303 p. (MIRA 17:8)

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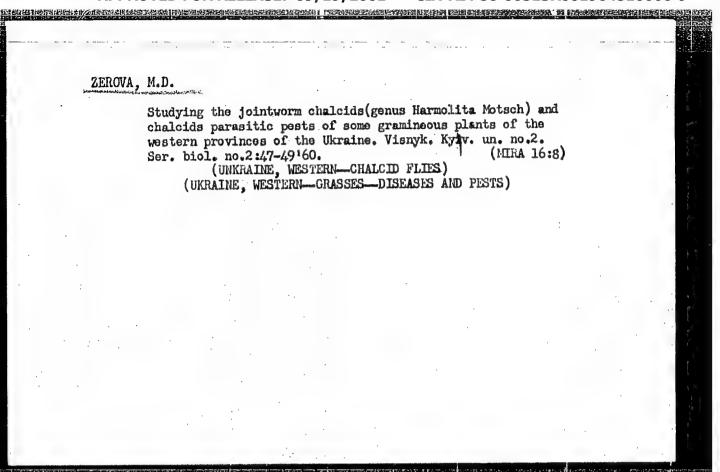
TOMASHEVICH, G.N.; ZERNOVA, A.B.

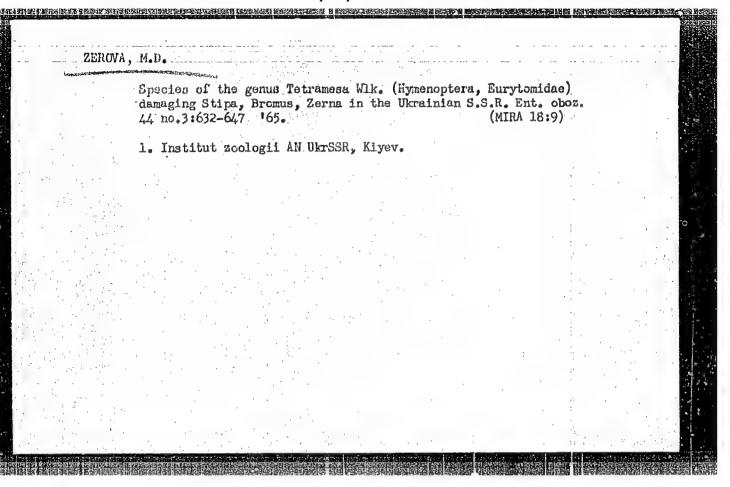
Chemistry and restoration. Priroda 52 no.6:104-106 '63.

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1. Gosudarstvennaya tsentral'naya khudozhestvenno-restavratsionnaya masterskaya, Moskva.

(Art objects—Conservation and restoration)





ZEROVA, M.D.

A new species of surytomid flies of the genus Tetramesa Wik.
(Hymenoptera, Eurytomidae). Dop. AN URSR no.7:954-957 *65.
(MIRA 18:8)

1. Institut zoologii AN UkrSSR.

BELAVIN, Oleg Vasil'yevich, dots.; ZEROVA, Margarite Vledimirovna, dots.; GANIN, I.K., red.

[Modern means of radio navigation] Sovremennye sredstva rudionavigatsii. Moskva, Sovetskoe radio, 1965. 279 p.

(MIRA 18:10)

AUTHORS: Levin, G.A. and Zerova, M.V.

表表文化化会生的自由的表现中的相对的数据比重要的 网络哈伦克沙埃尔马拉克姆巴利纳 经过程度的过程分别

Sov/106-58-2-1/16

TITLE:

Tuning Error in a Pulse-signal Receiver Using a.f.c. With a Diode-phantastron Control Circuit (Oshibka v

nastroyke priyemnika impul'snykh signalov pri primenenii

APCh s diodno-fantastronnoy skhemoy upravleniya)

PERIODICAL: Elektrosvyaz', 1958, Nr 2, pp 3 - 11 (USSR).

The input signal is mixed with a local oscillation ABSTRACT: whose frequency may be controlled by a voltage. The output of the mixer is fed via a tuned amplifier to a discriminator, the cross-over frequency of the discriminator and the centre frequency of the amplifier being the same. The voltage pulses out of the discriminator are amplified and fed to the diode-phantastron circuit. In the absence of discriminator output, the phantastron produces a saw-tooth voltage waveform. causing the local oscillator to "search" over the frequency The grid of the phantastron is returned to earth via the diode, connected as a d.c. restorer. Discriminator pulses appearing across the diode produce a negative voltage which stops the search. The anode voltage of the phantastron is now dependent on the voltage at its grid and behaves like an ordinary "integrator". The following assumptions are made in Cardl/3

Sov/106-58-2-1/16 Tuning Error in a Pulse-signal Receiver Using a.f.c. with a Diodephantastron Control Circuit

the analysis of the circuit: - within the working limits, the discriminator characteristic, the control characteristic of the local oscillator and the anode-grid relation of the phantastron valve when used as an amplifier are all linear; the pulses are rectangular; distortion suffered in transit through the narrow-band and video amplifiers are neglected; the diode characteristic is piecewise linear. Since the relations in the rest of the loop are independent of time, interest is centred on the behaviour of the control circuit. Analysis of the circuit of Figure 4 yields equations (9) and (10) which describe the way in which the grid voltage of the phantastron varies in the interval between pulses. Eqs. (13), (14) and (15) give the deviation of local oscillator frequency from nominal value and the time-rate of change. Because of the periodic nature of the signal, the local oscillator frequency will also have a saw-tooth variation. The tuning error is defined as the peak deviation of local oscillator frequency from the cross-over point of the discriminator and is given by Eq. (2). This error will be the less, the higher the video gain and Card2/3

Tuning Error in a Pulse-signa. Receiver Using a.f.c. with a Diode-phantastron Control Circuit

discriminator slope, the greater the ratio of pulse-length to charge time of capacitor \mathbf{C}_1 , the smaller the ratio of repetition period to discharge time of \mathbf{C}_1 . When the tuning error is large, it is sometimes advisable to displace the crossover frequency of the discriminator away from the nominal amplifier band-centre. There are 7 figures and 1 Soviet reference.

SUBMITTED: March 4, 1957

Uard 3/3

1. Electronic equipment—Performance 2. Electric circuits—Analysis
3. Electron tubes—Control systems

ACC NR; AM6003233

Monograph

UR/

Belavin, Oleg Vasil'yevich; Zerova, Margarita Vladimirovna

Modern methods of radio navigation (Sovremennyye sredstva radionavigatsii) Moscow, Izd-vo "Sovetskoye radio", 65. 0279 p. illus., biblio. Errata slip inserted. 9,300 copies printed.

TOPIC TAGS: spacecraft navigation equipment, radar tracking, radar system, doppler tracking, artificial satellite orbit, orbit parameter

PURFOSE AND COVERAGE: This book views the principles of operation of modern radar devices and systems and describes their basic characteristics. Special attention is given to radar systems designed to secure guidance of cosmic flight instruments. Methods are given for determining orbit parameters by measuring navigational dimensions with statistical determinations. Variants of schemes for units or radar devices are given as well as estimates of measurement precision. This book is recommended as a text for students of radio technology specialties in aviation institutes, and it can also be useful to engineers working with radar devices.

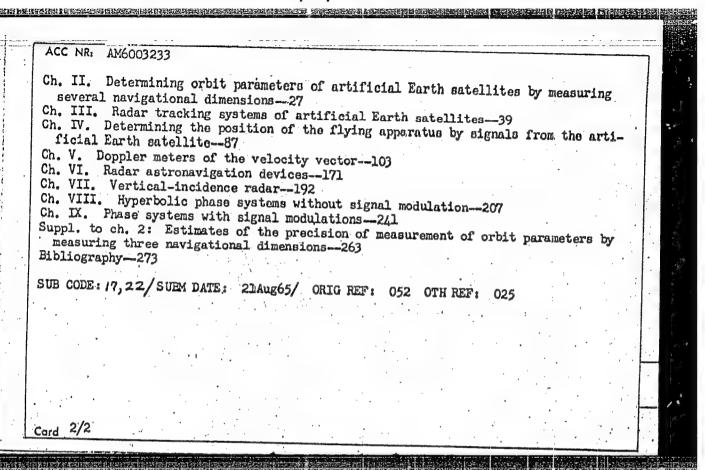
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Ch. I. Determining orbit parameters of artificial Earth satellites by measuring one navigational dimension-5

Card 1/2

WDC:621.396.981(075)



"APPROVED FOR RELEASE: 09/19/2001 CIA

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ACC NR: AT6037046

SOURCE CODE: UR/0000/66/000/000/0078/0096

AUTHOR: Zerova, M. V. (Candidate of technical sciences, Docent)

ORG: none

TITLE: Transformation of the frequency spectrum when a pulse-phase modulated signal passes through a delay system and an amplifier which is switched by the input undelayed signal

SOURCE: Moscow. Aviatsionnyy institut. Teoriya i tekhnika radiolokatsii (Radar theory and techniques); sbornik statey, no. 1. Moscow, Izd-vo Mashinostroyeniye, 1966, 78-96

TOPIC TAGS: Doppler radar, pulse phase modulation, frequency conversion

ABSTRACT: The article considers the time structure and the frequency spectrum of a signal at the output of a device consisting of a delay circuit and an amplifier which is switched by the pulse-phase modulated input signal. It is assumed that the input signal consists of an infinite sequence of rectangular pulses of duration τ_{p} with a time position given by the expression

 $t_{k} = kT_{0} + \Delta t_{k};$ $\Delta t_{k} = \Delta T \sin \Omega k T_{0};$

where

 $\Omega = \frac{2\pi}{NT_0}$

Cord 1/2

UDC: 621.396.962.23(04)

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	compore trum in the control of the c	component of contrum is affect in the constant wobbulation conly the interpretation orig. ar	component of the output etrum is affected by the in the constant componence woobulation frequency only the intensity of ther. Orig. art. has:	component of the output signal ctrum is affected by the delay in the constant component and wobbulation frequency as a conly the intensity of the spector. Orig. art. has: 8 figure	component of the output signal frequency ctrum is affected by the delay time of the in the constant component and in the ample wobbulation frequency as a function of conly the intensity of the spectrum component.	component of the output signal frequency spectrum. The trum is affected by the delay time of the input signal in the constant component and in the amplitude of the component in the constant component and in the amplitude of the component work with the constant component of the delay time only the intensity of the spectrum components varies ther. Orig. art. has: 8 figures, 25 formulas.	component of the output signal frequency spectrum. The nature strum is affected by the delay time of the input signal. As an in the constant component and in the amplitude of the first, so we constant component as a function of the delay time, is constant only the intensity of the spectrum components varies when goin ther. Orig. art. has: 8 figures, 25 formulas.	component of the output signal frequency spectrum. The nature of this fretrum is affected by the delay time of the input signal. As an example, to in the constant component and in the amplitude of the first, second and it wobbulation frequency as a function of the delay time, is considered. It could not be intensity of the spectrum components varies when going from one other. Orig. art. has: 8 figures, 25 formulas.	

SOV/106-59-3-5/12

AUTHOR:

Zerova, M.V.

TITLE:

The Capture Processes in an A.F.C. System with Diode-Phantastron Control Circuit in the Transition from a Search Regime to Automatic Tuning (Protsessy ustanovleniya v sisteme anch s diodno-fantastronnoy skhemoy upravleniya pri perekhode ot poiskovogo rezhima k avtopodstroyke)

PERIODICAL: Elektrosvyaz', 1959, Nr 3, pp 32-40 (USSR)

ABSTRACT:

The circuit (Ref 1,2) can be described by the block diagram of Fig 1; a control circuit is shown in Fig 2 and waveforms in Fig 3. The present article is devoted to the transition from search to follow; it is assumed that during this time the signal remains at a fixed frequency. Eq 1 (from Ref 1) gives two expressions, the first is for the deviation of a local oscillator frequency from a steady-state value at the end of the Noth period, in terms of that at the beginning of a period; the second expression is an analogous one for the rate of change of the local oscillator frequency. Fig & shows diagrammatically the frequency deviation of a local oscillator during the search ragime, it corresponds to

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sov/106-59-3-5/12

The Capture Processes in an A.F.C.System with Diode-Phantastron Control Circuit in the Transition from a Search Regime to Automatic Tuning

the amplitude of the pulse at the output of the amplifier equalling the voltage across the input condenser to the phantastron. The exact course of the transient response depends on the initial conditions, that is, the initial frequency deviation. Eq 5 is a general expression for the transient response, the exact form of the response depends on the relative values of a, akl; ak2; when a & akl the response is always monotonic. When a wakl the speed of working is greatest, for this condition the response is given in Fig 5 for various time constants. When a > ak2, three other cases may arise: the signal may be captured after a damped oscillation, a continuous oscillation may develop, or the signal may be captured temporarily, then finally lost for good. When a lies between the values of the other two coefficients it is possible for the signal to be lost but there is very wide latitude in the choice of circuit time constants. The values of the

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 The Capture Processes in an A.F.C.System with Diode-Phantastron Curcuit in the Transition from a Search Regime to Automatic

a-coefficients are defined at the top of page 36. The author thanks Professor G.A.Levin for valuable advice. There are 8 figures and 2 Soviet references.

SUBMITTED: 31st January 1958

Card 3/3

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SOV/106-58-11-3/12

AUTHOR:

Zerova. M.V.

TITLE:

The Transient Process Caused by a Change in Signal Frequency in an AFC System with a Diode-Phantastron Control Circuit (Perekhodnyy protsess v sisteme APCh s diodno-fantastronnoy skhemoy upravleniya, obuslovlennyy izmeneniyem chastoty signala).

PERIODICAL: Elektrosvyaz', 1958, Nr.11, pp.18-28 (USSR)

ABSTRACT:

The block diagram is shown in Fig.1 and the arrangement of diode and phantastron is given in Fig.2. The behaviour of this type of circuit is different for positive and negative control signals from the video amplifier, and in this article only the first type of change is considered as being the more interesting. The basis of the study is the results obtained in a previous article by the author (Ref.1) in which the diode characteristic was approximated by a stepwise-linear curve which enabled the connection to be established between system conditions at the end of the n-1 and n-th periods. The point of departure is the linear transformation (1). Here Δf_g is the deviation

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SOV/106-58-11-3/12

The Transient Process Caused by a Change in Signal Frequency in an AFC System with a Diode-Phantastron Control Circuit.

of frequency from its nominal value, $d\Delta f_g/dt$ is the rate of change of frequency and all ... a23 are constant coefficients dependent on the parameters of the a.f.c. system. This transformation may be succintly expressed in terms of the matrix A. It also follows that the connection between the states of the system at the ends of the n-th period and initially is given by A^n . To determine this transformation it is convenient to transform coordinates. The elements of the converting matrix are found by solving the equation system (2). The basic equation of the a.f.c. system is given by (3), (4), (5) and (6) while the matrix elements are in (8). Eq.(12) describes the transient process in the circuit when there is a step-change in signal frequency, while (13) estimates the variation in rate of change of frequency during the process. The response is aperiodic when the roots of the characteristic equation Θ_1 and Θ_2 are positive and less than unity. If $\Theta_1 \neq \Theta_2$, then the number of periods required to reduce the initial detuning by a factor A^n is given by the

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The Transient Process Caused by a Change in Signal Frequency in an AFC System with a Diode-Phantastron Control Circuit.

expression for n (near the foot of p.23). If $\theta_1 = \theta_2$ the corresponding formula is (16). This latter condition for the roots is only fulfilled if (17) for a is satisfied. Fig.3 shows the number of periods n for detuning correction as a function of a for various values of e-7 and $\mu = 10$. The greater the coefficient a, the more rapidly does the system approach the steady-state. The operating speed of the system is increased for an increase in system gain, the ratio T/RG_2 , the ratio t_{11}/T_3 and T_{11}/T_4 . If the transient response is permitted to have an overshoot, two important cases may be distinguished.

1. When a > 1. The maximum frequency deviation occurring is (18). It is evident from Figs.4 and 5 that a considerable overshoot occurs, and in practice this leads to a reduction in operating speed. 2. $a_k \neq a < 1$. The equation for the transient process is (19), the maximum frequency deviation (21), the number of periods n to reduce detuning by a factor μ is in Fig.6. The magnitude of the overshoot increases with the initial

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SOV/106-58-11-3/12 The Transient Process Caused by a Change in Signal Frequency in an AFC System with a Diode-Phantastron Control Circuit.

frequency deviation, the system gain, the ratio T/RC_2 , the ratio t_0/T_3 and the ratio T_1/T . The author thanks Professor G.A. Levin for his valuable advice. There are 7 figures and 1 Soviet reference.

SUBMITTED: January 31, 1958.

Card 4/4

ZEROVA. M. YA.; VOROB'YEV, D. V.

"Ectotrophic Mycorhiza on Species of Trees and Bushes in the Steppe Environment of the Ukrainian SSR," Botan Zhur, Kiev, 1950, Vol VII, Issue 1.

Mikrobiologiya, Vol XX, No. 5, 1951. — W-24635.

"Scleroderma verrucosum (Waill.) Pers., One of the Mycorhizal Fungi of Tree Varieties in the Steppe Environment of the Ukrainian SSR," Botan Zhur, Kiev, 1951, Vol VII, No. 4

Mikrobiologiya, Vol XX, No. 5, 1951

- 1. ZEROVA, M.Ya, ROMASHKO, Ya.D.
- 2. USSR (600)
- 7. "Heart Rot as One of the Causes of Premature Fall of the Fruit of the Apple Tree", Botanichniy Zhurnal, Vol 7, No 3, 1950, pp 52-65.

9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132. Unclassified.

- 7. ZEROVA, M. YA.
- 2. USSR (600)
- 7. "Interesting Fungi, New to the USSR, on the Pontic Azaloa (Asalea pontica L.)", Botanichniy Zhurnal AN USSR (Botanical Journal of the Acad Sci Ukrainian SSR), Vol 8, No 2, 1951, pp 75-79.

9. Mikrobiologiya, Vol XXI, Issue 1. Moscow, Jan-Feb 1952, pp 121-132. Unclassified.

	ROVA, H.Ya. Thingus d	iseases o	f the smoke tree	(Cotinus coggygr	ia Mill.).	Bot.zhm	r. [Ukr.]
	8 no.3:6	4-77 151.		(Smoke treeDi	seases and	(HLRA (pents)	5:9)
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ZEROVA, M.Ya.

Fungus diseases of species of the maple on the right bank of the Ukrainian S.S.R. Bot.zhur.[Ukr.] 9 no.1:27-52 '52. (KLRA 6:11)

1. Institut botaniki Akademii nauk Ukrains'koi RSR, Viddil mikologii.
(Ukraine--Maple--Diseases and pests) (Diseases and pests--Maple--Ukraine) (Ukraine--Fungi, Pathogenic) (Fungi, Pathogenic---Ukraine)

ZEROVA, M.Ya.

Fungus diseases of the Saberian acacia and elms caused by species of Kycosphaerella in the Ukrainian S.S.R. Bot.zhur.[Ukr.] 9 no.3:55-65 '52.

(MIRA 6:11)

 Instytut botaniky Akademiyi nauk Ukrayins'koyi RSR, Viddil mikologiyi. (Ukraine-Fungi, Pathogenic) (Fungi, Pathogenic-Ukraine) (Elm-Diseases and pests) (Acacia--Diseases and pests)

ZEROVA, M.Ya.

Fungus diseases of ash on the right bank region of the Ukrainian S.S.R.

Bot.shur.[Ukr.] 10 no.1:23-36 '53.

(Ukraine--Ash (Tree)--Diseases and pests) (Diseases and pests-
Ash (Tree)--Ukraine)

ZEROVA, M.Ya.; YEFIMOVA, N.I.

Effect of mycorhizal fungi found in oak groves of the steppe on the

Effect of mycorhizal fungi found in oak groves of the steppe on the development of oak seedlings in a vegetative experiment. Bot. thur. [Ukr.] 10 no.2:32-45 153. (MLRA 6:6)

1. Instytut botaniky AN URSR. Viddil mikologiyi.
(Oak) (Mycorhiza)

New species of mycorhizal fungi for the Ukrainian S.S.R., Lactarius insulsus Fr. and Tricholoma imbricatum (Fr.) Quél. Bot.zhur. [Ukr.] 10 no.3:67-71 '53. (MLRA 6:8) 1. Instytut botaniky Akademiyi nauk Ukrayina'koyi ESR, viddil mikolohiyi. (Ukraine--Fungi) (Fungi---Ukraine)

ZEROVA, N.Ya. Parasitic microflora of forest plantations of the right bank of the Ukrainian S.S.R. Bot. shur. [Ukr.] 10 no.4:66-74 '53. (MLRA 6:12) 1. Institut botaniki Akademii nauk Ukrains'koi ESR, viddil mikologii. (Ukraine—Parasitic plants) (Trees—Diseases and peets)

Cocurrence of the mycorhizal fungus Soleroderma verrucosum (Vailla) Pers and certain other species of gasteromycetes in the Ukrainian S.S.R. Bot.zhura[Ukra] 11 no.2:63-74 '54. (MIRA 8:7) 1. Institut botaniki AN URSR, viddil mikologii. (Ukraine--Gasteromycetes)

	3.7
ZEROVA, M. Ya.	
Para fungus Calvatia candida (Rostk.) Hollos., new to the	
Wereinia S.S.R. Bot. zhur. Ukr. 12 no.1:70-02 ')	
(MIRA 8:9)	4.4
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1. Institut botaniki AN URSR, viddil mikologii	1350
(UkraineFungi)	
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그렇게 마음이 되었다. 그렇게 하고 있는 사람들은 사람들이 하는 사람들이 하는 것이다.	
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	148
물론 그 그 그리고 말이 가셨다. 공속에 취하고 있는 그리고 하는	* .
	19.5
하고 있다면 그리고 그래요? 그런 뭐하고 있는 하나는 것이 되었다.	
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